Satellite Update for 2006

Once again, in 2006, we will continue to use your data to get water clarity data on thousands of lakes in Wisconsin using satellite imagery. Between 1999-2001, the University of Wisconsin conducted a study to learn how to use on-the-ground Secchi readings, a mathematical model and satellite imagery to determine water clarity on over 8000 lakes in Wisconsin. This means that on a sunny day when the satellite is overhead, if you monitor your lake, you are also monitoring other lakes around you that might not have a volunteer. Without volunteers, we could not use satellite imagery to get water clarity data, because every satellite image has to be calibrated using on-the-ground readings.

Now that the UW has completed their study, the DNR has taken over the job of analyzing the satellite imagery on an ongoing basis. We are just wrapping up analyzing the data from 2002-2005. Currently, the University of Wisconsin Remote Sensing Center is learning how to use the imagery to get Chlorophyll data. Very exciting! For all of these purposes, we use data from both the Landsat 5 and Landsat 7 satellites, so the schedule below is a combination of dates from both satellites.

How to participate:

1.) If you know your satellite path from last year, you are all set. If you don't know which path your lake is in, look on the "Satellite Path" handout included in this packet. You can also check on the web at: http://dnr.wi.gov/org/water/fhp/lakes/selfhelp/.

2.) Use the schedule below to see what dates the satellite will be overhead. We encourage you to monitor on as many of the dates for your path as you can. If you are in more than one path, you can choose dates from both. If the "satellite day" is very cloudy, the satellite may not be able to get a good picture of the lake on that date. If that happens, going out the following day or two will also help. Usually if we can't get 20 on-the-ground readings for a given image for the exact dates, we will use data from one or two days later.

3.) You don't need to do anything extra when reporting your data. The 1999-2001 satellite water clarity data is available on the Internet (www.lakesat.org). In the coming year, we will make all of the data from 1999-2005 available on the DNR's web site.

To learn more, visit the following very interesting website for more details:
The Environmental Remote Sensing Center, UW-Madison:
www.lakesat.org

Satellite Schedule for 2006

Path 26	Path 25	Path 24	Path 23
Sat., Jun. 10, 2006	Sat., Jun. 03, 2006	Sat., May. 27, 2006	Mon., Jun. 05, 2006
Sun., Jun. 18, 2006	Sun., Jun. 11, 2006	Sun., Jun. 04, 2006	Tue., Jun. 13, 2006
Mon., Jun. 26, 2006	Mon., Jun. 19, 2006	Mon., Jun. 12, 2006	Wed., Jun. 21, 2006
Tue., Jul. 04, 2006	Tue., Jun. 27, 2006	Tue., Jun. 20, 2006	Thu., Jun. 29, 2006
Wed., Jul. 12, 2006	Wed., Jul. 05, 2006	Wed., Jun. 28, 2006	Fri., Jul. 07, 2006
Thu., Jul. 20, 2006	Thu., Jul. 13, 2006	Thu., Jul. 06, 2006	Sat., Jul. 15, 2006
Fri., Jul. 28, 2006	Fri., Jul. 21, 2006	Fri., Jul. 14, 2006	Sun., Jul. 23, 2006
Sat., Aug. 05, 2006	Sat., Jul. 29, 2006	Sat., Jul. 22, 2006	Mon., Jul. 31, 2006
Sun., Aug. 13, 2006	Sun., Aug. 06, 2006	Sun., Jul. 30, 2006	Tue., Aug. 08, 2006
Mon., Aug. 21, 2006	Mon., Aug. 14, 2006	Mon., Aug. 07, 2006	Wed., Aug. 16, 2006
Tue., Aug. 29, 2006	Tue., Aug. 22, 2006	Tue., Aug. 15, 2006	Thu., Aug. 24, 2006
Wed., Sep. 06, 2006	Wed., Aug. 30, 2006	Wed., Aug. 23, 2006	Fri., Sep. 01, 2006
Thu., Sep. 14, 2006	Thu., Sep. 07, 2006	Thu., Aug. 31, 2006	Sat., Sep. 09, 2006
Fri., Sep. 22, 2006	Fri., Sep. 15, 2006	Fri., Sep. 08, 2006	Sun., Sep. 17, 2006
Sat., Sep. 30, 2006	Sat., Sep. 23, 2006	Sat., Sep. 16, 2006	Mon., Sep. 25, 2006